marathon®

General Purpose Motors

Model No: 405TSTDCD6060
Catalog No: GT0088

General Purpose Motor, 125 & 100 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 RPM, 405TS Frame, DP

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Product Information Packet: Model No: 405TSTDCD6060, Catalog No: GT0088 General Purpose Motor, 125 & 100 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 RPM, 405TS Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**125 & 100 Hp**
Output KW	**93.0 & 75.0 kW**	Voltage	**460 & 380 V**
Speed	**1785 & 1485 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**405TS**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**95.4 & 95 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**142 & 138 A**
Power Factor	**86**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6316**
Opp Drive End Bearing Size	**6315**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**	Number of Speeds	**1**

Technical Specifications

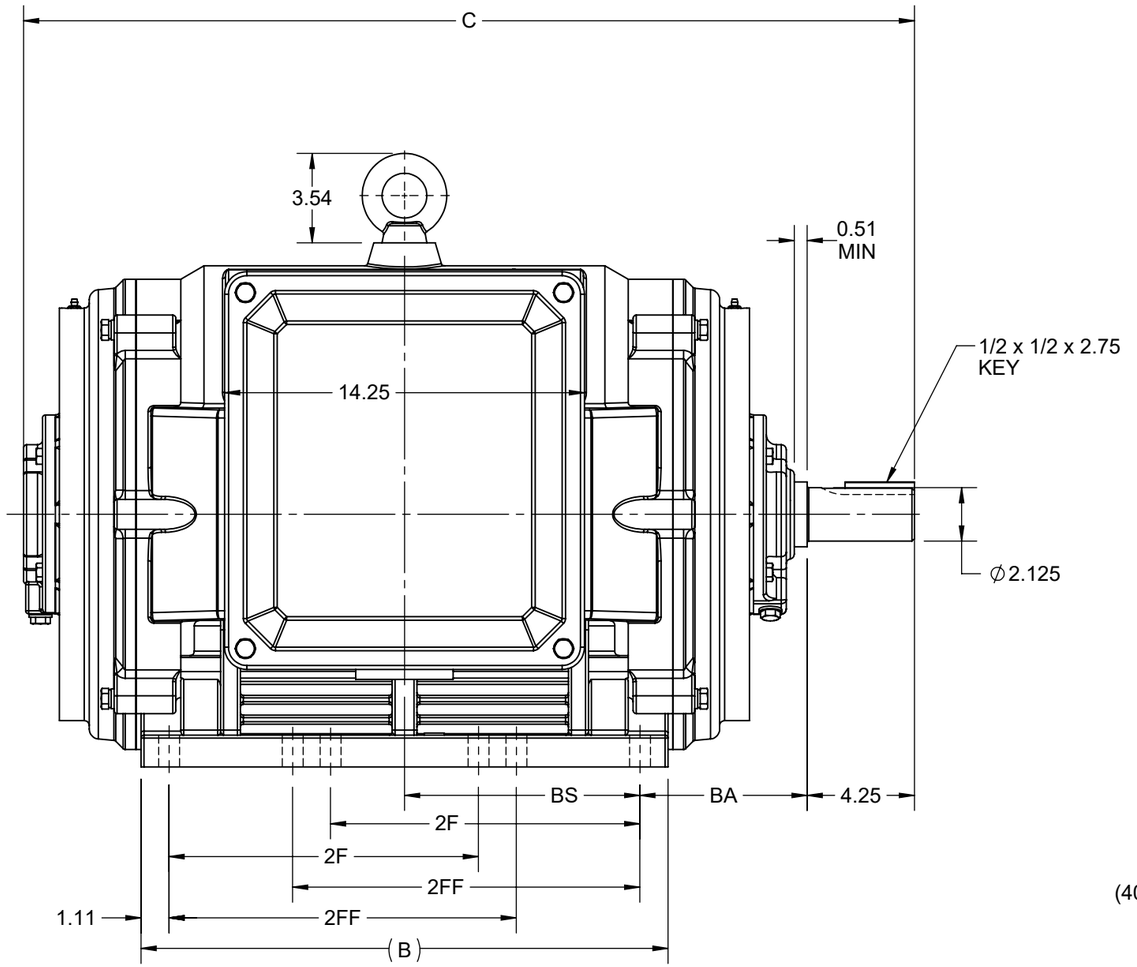
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Wye Start Delta Run Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.044 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**TS**	Overall Length	**35.44 in**
Frame Length	**21.26 in**	Shaft Diameter	**2.125 in**
Shaft Extension	**4.25 in**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Variable 10:1**		

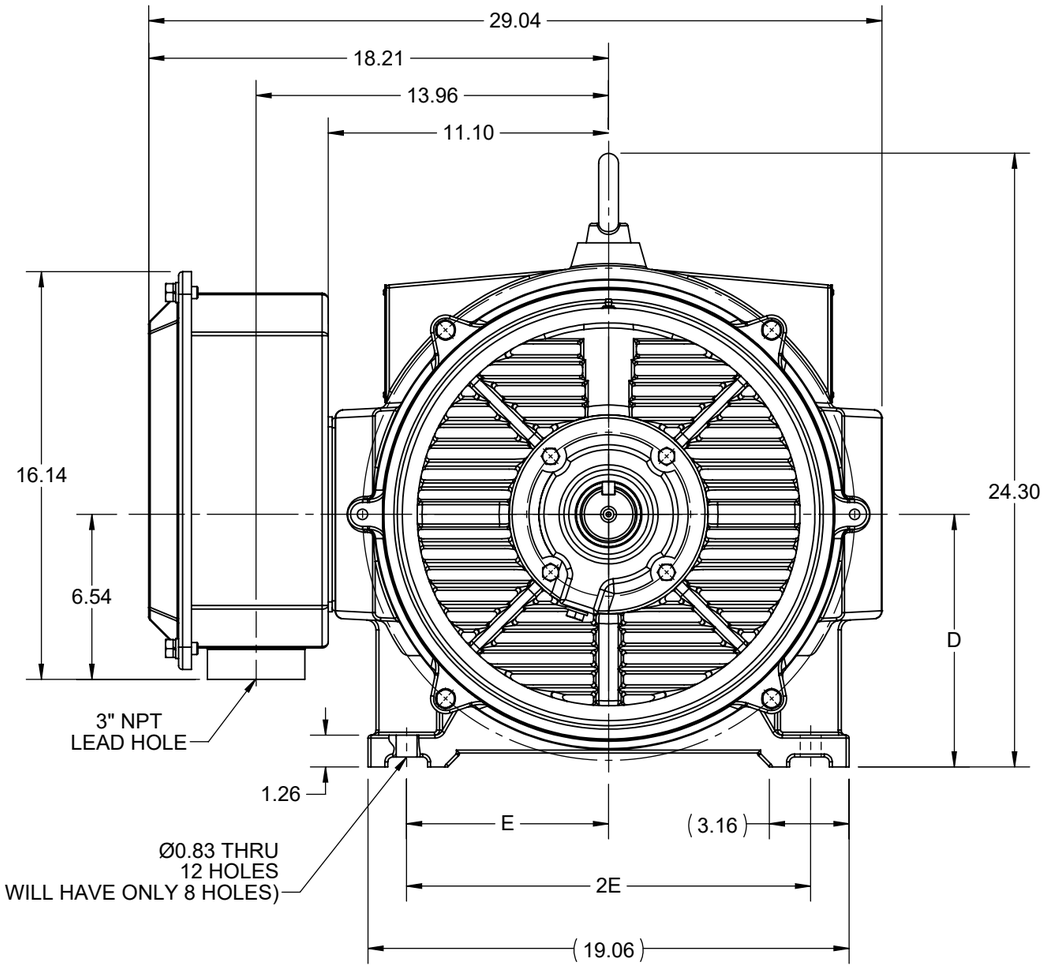
Drawings

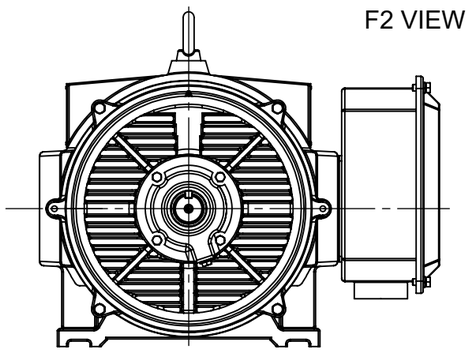
Connection Drawing	**EE7340**	Outline Drawing	**SS620752-200**

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DASH NO.	B	C	D	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	19.29	33.70	10.00	8.00	16.00	---	12.25	6.62	8.54	F1 OR F2	404TS
200	20.87	35.27				12.25	13.75		9.32		404/405TS







DRAWING REVISION	REVISION BY	REV DATE/© DATE
D	SB	10/16/2025
REQUEST NUMBER	APPROVED BY	DATE
CR-0024344	SBD	10/16/2025

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

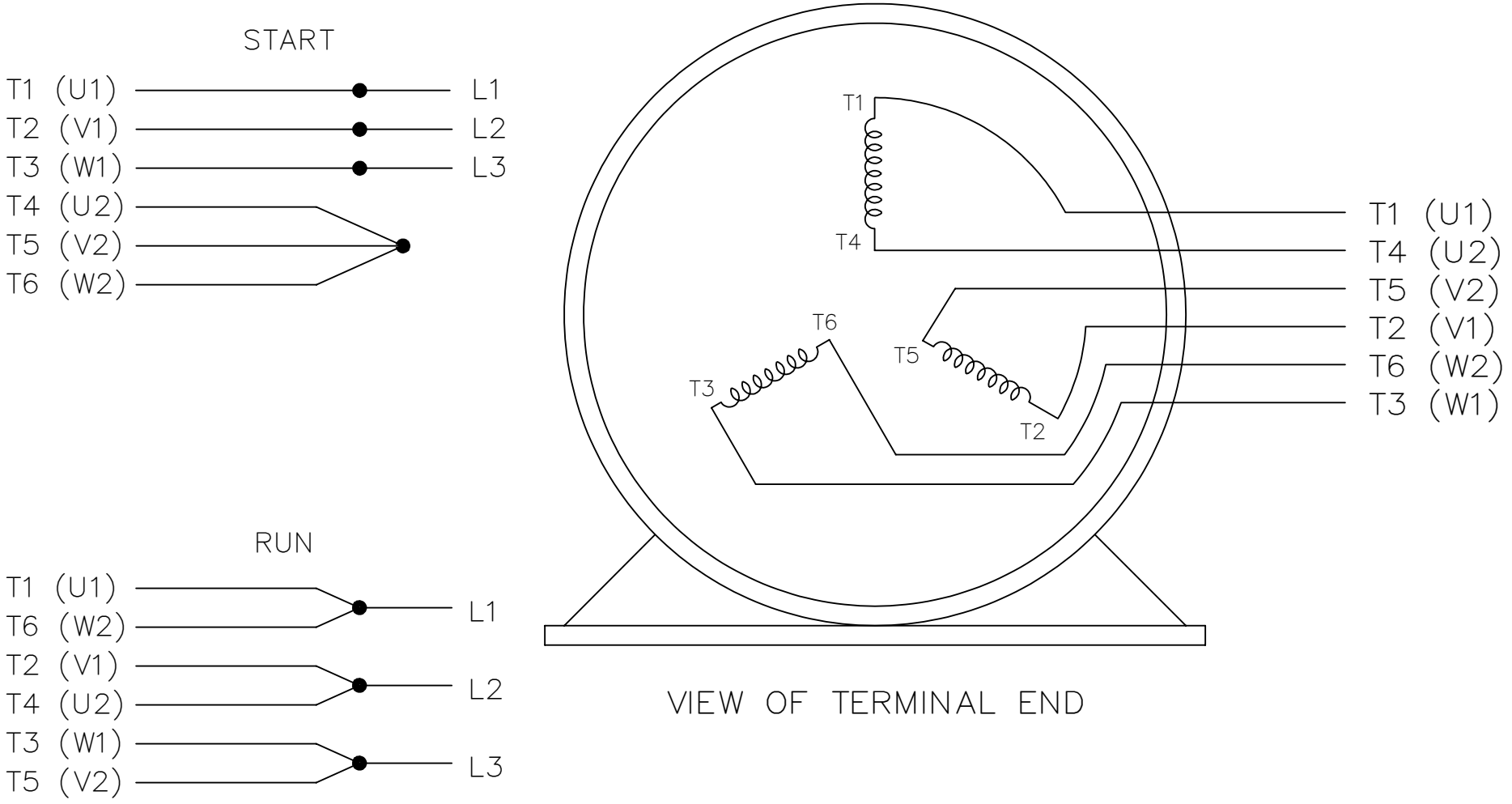
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PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY	DESCRIPTION	
WY	OUTLINE	
DATE	404/405TS FR NEMA ODP CAST IRON	
21/07/2016		
APPROVED BY		
DATE		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B / DRAWING NUMBER SS620752	SHEET 1 OF 1

marathon™

THREE PHASE
WYE START DELTA RUN



DRAWING REVISION: G	REVISION BY: SB	REV DATE/© DATE: 08/04/2025	PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY: LZ	marathon™
REQUEST NUMBER: CR-0023654	APPROVED BY: SBD	DATE: 08/04/2025		DATE: 01-06-1994	
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED				APPROVED BY: GK	DESCRIPTION: CONNECTION DIAGRAM 3∅ - WYE START DELTA RUN
				DATE: 01-18-1994	
				REFERENCE	MATERIAL / PROCESS/FINISH
				THIRD ANGLE PROJECTION	SIZE: A / DRAWING NUMBER: EE7340 / SHEET: 1 OF 1

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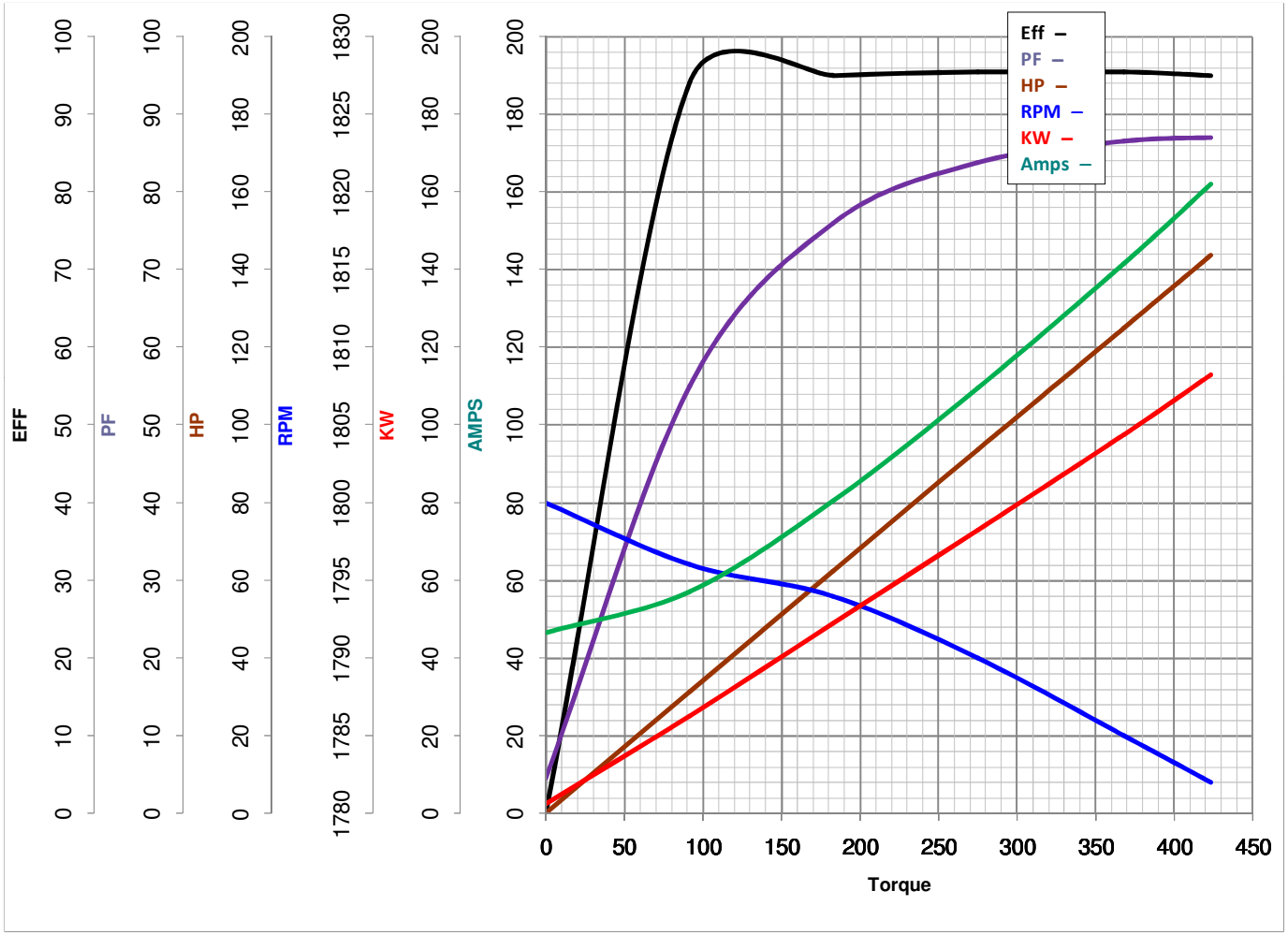
TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at 460 **Volts** **HP** 125&100 **PHASE** 3
60 **HZ**

Model No 405TSTDCD6060 125 **HP** **VOLTS** 460&380

Catalog No GT0088 **HZ** 60&50 **RPM** 1785&1485



Torque in Lb.Ft

FL TORQUE	368	**Lb.Ft**	**FL AMPS**	142	
BD TORQUE	920.0	**Lb.Ft**	**PU TORQUE**	590.0	**Lb.Ft**
LR TORQUE	699	**Lb.Ft**	**LR AMPS**	900	
WINDING	HE32504009-1			**Date**	**6/7/2018**